

[54] **ELECTRONIC INSTRUCTIONAL APPARATUS**

[75] Inventors: Albert W. Lee, Kowloon; Wai-Kwok Chew, New Territories; David T. Cheung, Kowloon, all of Hong Kong

[73] Assignee: Video Technology Industries, Inc., Wheeling, Ill.

[21] Appl. No.: 221,261

[22] Filed: Jul. 19, 1988

[30] **Foreign Application Priority Data**

Oct. 8, 1987 [GB] United Kingdom 8723594

[51] Int. Cl.⁵ G09B 1/00

[52] U.S. Cl. 434/159; 434/169; 434/170; 434/172; 434/201; 434/207; 434/327; 434/335; 434/340

[58] Field of Search 434/159, 169, 170, 171, 434/172, 201, 207, 224, 258, 259, 327, 333, 335, 340

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,389,479	6/1968	Gross	434/340
3,654,706	4/1972	Perrella	434/340 X
3,795,063	3/1974	Nelson	434/169 X
4,272,896	6/1981	Lion	434/340
4,516,260	5/1985	Breedlove et al.	381/51
4,526,550	7/1985	Lurito	434/340

4,729,564 3/1988 Kuna et al. 434/335 X
4,846,692 7/1989 Delcambre 434/159

Primary Examiner—Richard J. Apley
Assistant Examiner—Joe H. Cheng
Attorney, Agent, or Firm—Dick and Harris

[57] **ABSTRACT**

An electronic instructional apparatus is provided wherein the operator engages in exercises in spelling, arithmetic and associational exercises by responding, in part, to audible prompts provided by the apparatus in the form of requests and/or questions to which the operator must respond. The requests and/or questions are based upon digital data stored within the memory representative of numbers, letters of the alphabet, colors and physical objects, such as commonly recognized animals. The operator responds to the requests and/or questions by inserting answer blocks into input cavities provided in the apparatus housing. Each answer block has disposed thereon a plurality of display faces bearing indicia representative of potential responses to the presented statements and/or questions. Each display face has corresponding input surfaces which cooperate with detection elements to input into said apparatus the response selected by the operator. The apparatus further comprises speech synthesis and sound production elements to produce the audible presentations.

17 Claims, 3 Drawing Sheets

